



NATIONAL AIR TRAFFIC CONTROLLERS ASSOCIATION

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The Honorable Peter Fitzgerald
United States Senate
Washington, D.C. 20510

Senator Fitzgerald,

As requested from your staff, I have summarized the most obvious concerns that air traffic controllers at O'Hare have with the new runway plans being considered by Mayor Daley and Governor Ryan. They are listed below along with some other comments.

1. The Daley and Ryan plans both have a set of east/west parallel runways directly north of the terminal and in close proximity to one another. Because of their proximity to each other (1200') they cannot be used simultaneously for arrivals. They can only be used simultaneously if one is used for departures and the other is used for arrivals, but only during VFR (visual flight rules), or good weather conditions. During IFR (instrument flight rules, ceiling below 1000' and visibility less than 3 miles) these runways cannot be used simultaneously at all. They basically must be operated as one runway for safety reasons. The same is true for the set of parallels directly south of the terminal; they too are only 1200' apart.

2. Both sets of parallel runways closest to the terminal (the ones referred to above) are all a minimum of 10,000 long. This creates a runway incursion problem, which is a very serious safety issue. Because of their length and position, all aircraft that land or depart O'Hare would be required to taxi across either one, or in some cases two runways to get to and from the terminal. This design flaw exists in both the Daley and the Ryan plan. A runway incursion is when an aircraft accidentally crosses a runway when another aircraft is landing or departing. They are caused by either a mistake or mis-understanding by the pilot or controller. Runway incursions have skyrocketed over the past few years and are on the NTSB's most wanted list of safety issues that need to be addressed. Parallel runway layouts create the potential for runway incursions; in fact the FAA publishes a pamphlet for airport designers and planners that urge them to avoid parallel runway layouts that force taxiing aircraft to cross active runways. Los Angeles International airport has lead the nation in runway incursions for several years. A large part of their incursion problem is the parallel runway layout; aircraft must taxi across runways to get to and from the terminals.

3. The major difference in Governor Ryan's counter proposal is the elimination of the southern most runway. If this runway were eliminated, the capacity of the new airport

would be less than we have now during certain conditions (estimated at about 40% of the time). If you look at Mayor Daley's plan, it calls for six parallel east-west runways and two parallel northeast - southwest runways. The northeast - southwest parallels are left over from the current O'Hare layout. These two runways simply won't be usable in day-to-day operations because of the location of them (they are wedged in between, or pointed at the other parallels). We would not use these runways except when the wind was very strong (35 knots or above) which we estimate would be less than 1% of the time. That leaves the six east/west parallels for use in normal day-to-day operations. This is the same number of runways available and used at O'Hare today. If you remove the southern runway (Governor Ryan's counter proposal), you are leaving us five runways which is one less than we have now. That means less capacity than today's O'Hare during certain weather conditions. With good weather, you may get about the same capacity we have now. If this is the case, then why build it?

4. The Daley-Ryan plans call for the removal of the NW/SE parallels (Runways 32L and 32R). This is a concern because during the winter it is common to have strong winds out of the northwest with snow, cold temperatures and icy conditions. During these times, it is critical to have runways that point as close as possible into the wind. Headwinds mean slower landing speeds for aircraft, and they allow for the airplane to decelerate quicker after landing which is important when landing on an icy runway. Landing into headwinds makes it much easier for the pilot to control the aircraft as well. Without these runways, pilots would have to land on icy conditions during strong cross-wind conditions. This is a possible safety issue.

These are the four major concerns we have with the Daley - Ryan runway plans. There are many more minor issues that must be addressed. Amongst them are taxiway layouts, clear zones (areas off the ends of each runway required to be clear of obstructions), ILS critical areas (similar to clear zones, but for navigation purposes), airspace issues (how arrivals and departures will be funneled into these new runways) and all sorts of other procedural type issues. These kinds of things all have to go through various parts of the FAA (flight standards, airport certification etc.) eventually. These groups should have been involved with the planning portion from day one. Air traffic controllers at the tower are well versed on what works well with the current airport and what does not. We can provide the best advice on what needs to be accomplished to increase capacity while maintaining safety. It is truly amazing that these groups were not consulted in the planning of a new O'Hare. The current Daley - Ryan runway plans, if built as publicized, will do little for capacity and/or will create serious safety issues. This simply cannot happen. The fear is that the airport will be built, without our input, and then handed to us with expectations that we find a way to make it work. When it doesn't, the federal government (the FAA and the controllers) will be blamed for safety and delay problems.

Sincerely,



Craig Burzych

Facility Representative
NATCA - O'Hare Tower